

# Vision-100 Century of Aviation Act

The logo for the VALE PROGRAM. It features the word "VALE" in large, bold, white capital letters with a green outline, and the word "PROGRAM" in smaller, bold, white capital letters with a green outline, positioned directly below "VALE". The text is set against a green, semi-circular background that resembles a rising sun or a stylized horizon.

**Office of Airports**  
**Airport Planning and Programming**  
**Jake A. Plante**

**Air Innovations Conference**  
**Chicago, August 26, 2005**



# What is VALE?

- **New permanent airport air quality program**
  - Began 2004 (FY '05)
  - For all ground-based sources except aircraft
  - Meets growing air quality and energy needs
  - Supports air quality and airport improvements
- **Expansion of funding eligibility (not a budget)**
  - More funding
  - Earlier funding on voluntary projects
    - Ahead of required mitigation
    - Easier procedures and justifications
  - Mobile sources
- **Two FY'05 projects; more next year...**

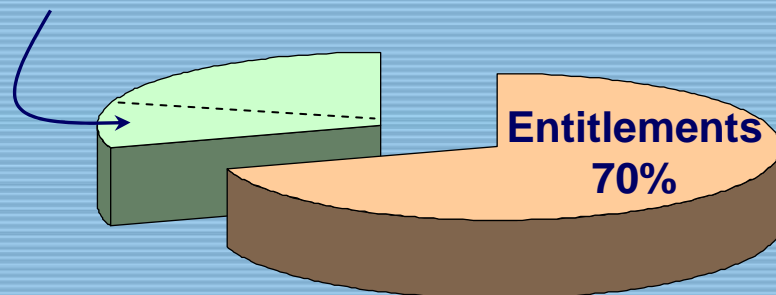
**VALE  
PROGRAM**



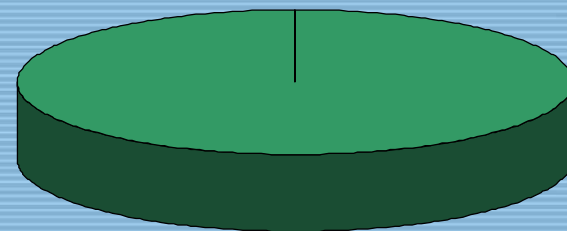
# Two Major Airport Funding Programs

**Airport Improvement Program (AIP)**  
~\$3 Billion for FY'05

30% Discretionary  
1/3 "noise and air quality set-aside"



**Passenger Facility Charges (PFC)**  
~\$2 Billion for FY'05







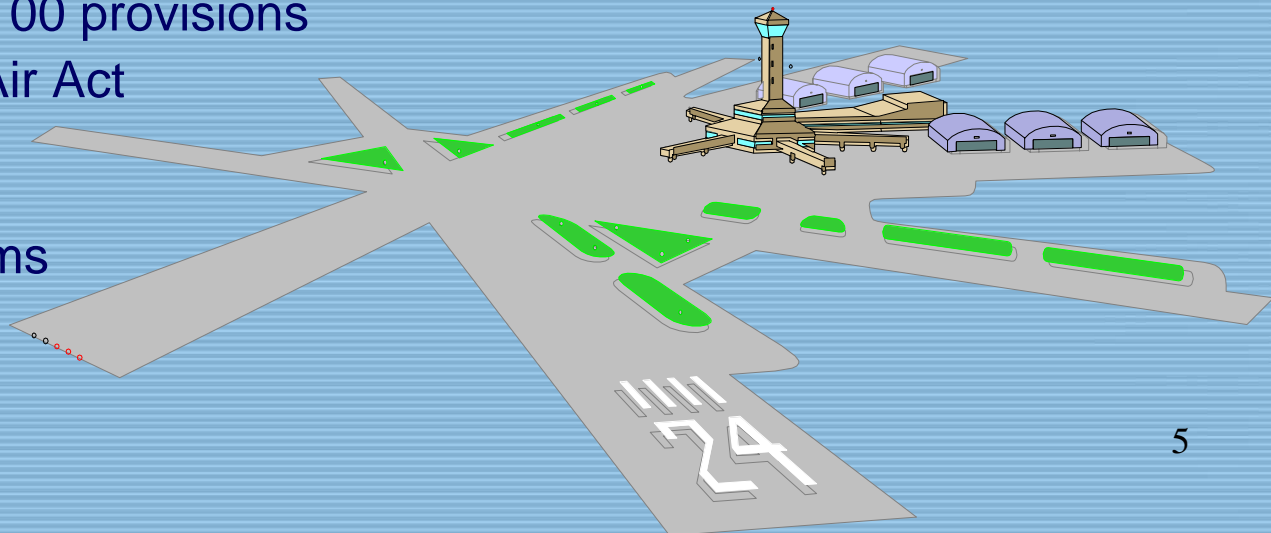
# Airports are a microcosm of the national fleet





# Challenges

- **Going from a pilot to a national program**
  - One-third of commercial service airports (~165 of 520) are eligible (in nonattainment or maintenance areas) including 41 of the 50 busiest airports
- **Defining alternative and clean fuels**
- **Setting hard low-emission vehicle standards**
- **Building national agreement with EPA on airport emission reduction credits (AERCs)**
- **Integrating requirements**
  - Vision 100 provisions
  - Clean Air Act
  - AIP & PFC Programs





# Agency Roles and Services







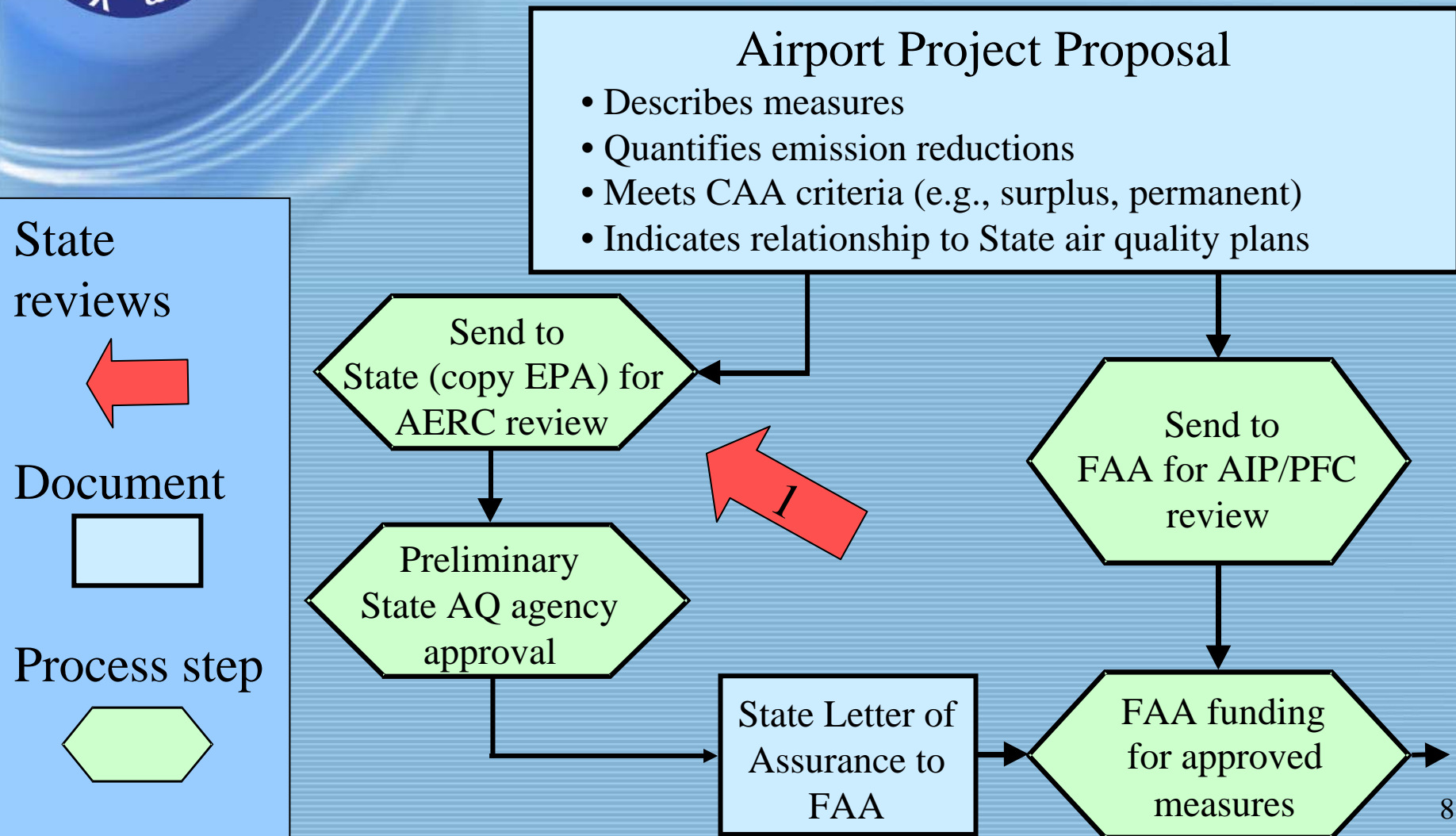
# State Air Quality Agency Early Involvement

- **State agencies can help airports by:**
  - Confirming airport NA/MA status
  - Providing fuel and technology information
  - Clarifying AERC criteria (quantifiable, surplus, enforceable, permanent)
  - Identifying any issues with Transportation Conformity
  - Deciding if VALE project should be inside or outside of SIP
    - States may use VALE to demonstrate “milestones” but not to show future attainment

**VALE  
PROGRAM**



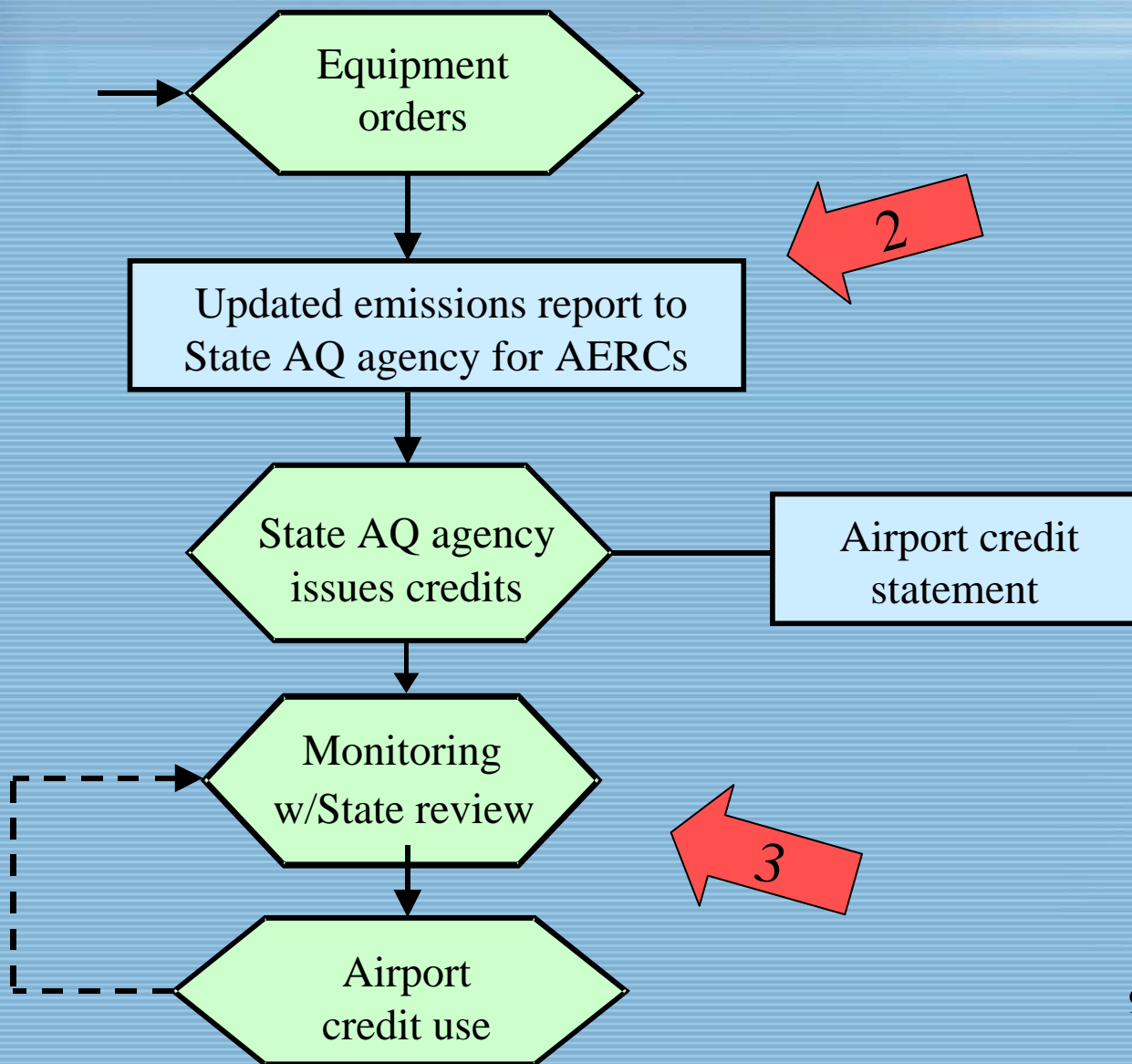
# Project Application Phase







# Project Implementation Phase





# FAA Funding is Contingent on State AERCS

- **AERCS alter the old “dynamic”**  
*“Why should airports voluntarily expend mitigation measures that could help later?”*
- **Vision 100 allows AERCS for:**
  - General Conformity
  - New Source Review (\*under applicable State regulations)
- **AERC requirements**
  - Consistent nationally
  - Meet CAA criteria: quantifiable, surplus, permanent, Federally enforceable
  - Issued on a timely basis

**VALE  
PROGRAM**



# AERC Specifics

- **Annual method of calculating and using**
  - AERCs are not accumulated over time – no “banking”
  - Emission estimates are yearly over life of the project
- **To simplify:**
  - Airport-specific – no “trading”
  - No State administrative fees out of AIP or PFC
  - Standardized tools (e.g., FAA EDMS, worksheets)
- **For General Conformity**
  - Applied as “design measures” to *de minimis* levels
  - AERCs earned on 1:1 basis per pollutant
- **For NSR**
  - Applied as “offsets”
  - AERCs subject to NSR restrictions (EPA warns: “such conditions might suppress airport interest in early action”)

VALE  
PROGRAM





# Program Management and Information Sources

- **Managed by FAA regional offices**
  - Regional funding approvals
  - Exception is one-time GSE Retrofit Pilot Program for 10 airports
- **Information available at:**  
*[www.faa.gov/arp/environmental/vale](http://www.faa.gov/arp/environmental/vale)*
  - List of eligible airports
  - Program announcement letters
  - FAA Guidance: Technical Report (with application procedures)
  - EPA Guidance: AERC Report

**VALE  
PROGRAM**